

## Building Site Development

Butler County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
11B: Colo-----	50	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
Ely-----	40	Very limited Frost action  Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
27B: Terril-----	100	Very limited Low strength  Frost action	1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
41B: Sparta-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.06
41C: Sparta-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.06
41D: Sparta-----	100	Somewhat limited Slope	0.63	Very limited cutbanks cave Slope	0.90 0.63	Somewhat limited Slope Droughty	0.63 0.06
43: Bremer-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Flooding	1.00 1.00 1.00 1.00 0.40	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
63C: Chelsea-----	100	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.28

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83B: Kenyon-----	90	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Low strength	0.22				
83C: Kenyon-----	90	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Low strength	0.22				
83C2: Kenyon-----	90	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Low strength	0.22				
83D2: Kenyon-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Frost action	0.50	Depth to saturated zone	0.16		
		Low strength	0.22				
84: Clyde-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
88: Nevin-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
109C: Backbone-----	90	Somewhat limited Frost action	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Depth to hard bedrock	0.46	Too clayey	0.01	Droughty	0.04

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110B: Lamont-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
110C: Lamont-----	100	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
118: Garwin-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
119: Muscatine-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
120: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120B: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
133: Colo-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
135: Coland-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
150B: Hanska-----	100	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
151: Marshan-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
152: Marshan-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
153: Shandep-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
162C: Downs-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
162C2: Downs-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
171: Bassett-----	90	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to saturated zone	0.16	Not limited	
171B: Bassett-----	85	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to saturated zone	0.16	Not limited	
171C2: Bassett-----	85	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to saturated zone	0.16	Not limited	
171D2: Bassett-----	95	Somewhat limited Slope Frost action Low strength	0.63 0.50 0.22	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
171F: Bassett-----	90	Very limited Slope Frost action Low strength	1.00 0.50 0.22	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
173: Hoopeston-----	95	Very limited Frost action Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Somewhat limited Depth to saturated zone	0.19

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
173B: Hoopeston-----	95	Very limited Frost action  Depth to saturated zone	1.00  0.19	Very limited Depth to saturated zone cutbanks cave	1.00  0.90	Somewhat limited Depth to saturated zone	0.19
174: Bolan-----	85	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
174B: Bolan-----	85	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
174C2: Bolan-----	90	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175: Dickinson-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175B: Dickinson-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175C: Dickinson-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
177: Saude-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
177B: Saude-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
177C: Saude-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
178: Waukee-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
178B: Waukee-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
184: Klinger-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
198B: Floyd-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Shrink-swell	0.50	cutbanks cave	0.90		
201B: Coland-----	60	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Frost action	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
Terril-----	30	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Frost action	0.50				
213: Rockton-----	100	Somewhat limited Shrink-swell	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Frost action	0.50				
		Depth to hard bedrock	0.46				
		Low strength	0.22				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
213B: Rockton-----	100	Somewhat limited Shrink-swell	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Frost action	0.50				
		Depth to hard bedrock	0.46				
		Low strength	0.22				
214B: Rockton-----	100	Somewhat limited Shrink-swell	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Frost action	0.50				
		Depth to hard bedrock	0.46				
		Low strength	0.22				
214C: Rockton-----	100	Somewhat limited Shrink-swell	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Frost action	0.50				
		Depth to hard bedrock	0.46				
		Low strength	0.22				
214C2: Rockton-----	100	Somewhat limited Shrink-swell	0.50	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.46
		Frost action	0.50				
		Depth to hard bedrock	0.46				
		Low strength	0.22				
221B: Palms-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Subsidence	1.00	Content of organic matter	1.00	Content of organic matter	1.00
		Frost action	1.00				



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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
225: Lawler-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone cutbanks cave	0.95 0.90	Not limited	
226: Lawler-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone cutbanks cave	0.95 0.90	Not limited	
241C2: Saude-----	55	Not limited		Very limited cutbanks cave	0.90	Not limited	
Burkhardt-----	35	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.49
241E2: Saude-----	55	Very limited Slope	0.96	Very limited Slope cutbanks cave	0.96 0.90	Very limited Slope	0.96
Burkhardt-----	35	Very limited Slope	0.96	Very limited Slope cutbanks cave	0.96 0.90	Very limited Slope Droughty	0.96 0.49
284: Flagler-----	90	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.07
284B: Flagler-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.07
284C: Flagler-----	90	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.07
285C: Burkhardt-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.49
350: Waukegan-----	90	Very limited Low strength	1.00	Not limited		Not limited	

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354: Aquolls-----	100	Not rated		Not rated		Not rated	
377B: Dinsdale-----	95	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
377C2: Dinsdale-----	95	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.16	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
382: Maxfield-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	1.00				
391B: Clyde-----	50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
Floyd-----	40	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Shrink-swell	0.50	cutbanks cave	0.90		
394: Ostrander-----	95	Somewhat limited Low strength	0.78	Not limited		Not limited	
		Frost action	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
394B: Ostrander-----	85	Somewhat limited Low strength Frost action	0.78 0.50	Not limited		Not limited	
394C: Ostrander-----	95	Somewhat limited Low strength Frost action	0.78 0.50	Not limited		Not limited	
394C2: Ostrander-----	90	Somewhat limited Low strength Frost action	0.78 0.50	Not limited		Not limited	
398: Tripoli-----	100	Very limited Frost action  Depth to saturated zone Low strength	1.00 0.75 0.22	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.75
399: Readlyn-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
404: Thorp-----	100	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
407B: Schley-----	95	Very limited Frost action  Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.19
408B: Olin-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	

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408C: Olin-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
412C: Sogn-----	100	Very limited Depth to hard bedrock Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Depth to hard bedrock	1.00	Very limited Depth to bedrock Droughty Content of large stones	1.00 0.97 0.01
412F: Sogn-----	100	Very limited Depth to hard bedrock Slope Low strength Shrink-swell Frost action	1.00 1.00 1.00 0.50 0.50	Very limited Depth to hard bedrock Slope	1.00 1.00	Very limited Depth to bedrock Slope Droughty Content of large stones	1.00 1.00 0.97 0.01
428B: Ely-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
430: Ackmore-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
457: Du Page-----	95	Very limited Flooding Low strength Frost action	1.00 1.00 0.50	Somewhat limited Flooding Depth to saturated zone	0.60 0.15	Somewhat limited Flooding	0.60

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485: Spillville-----	95	Very limited Flooding	1.00	Somewhat limited Depth to saturated zone Flooding	0.61 0.60	Somewhat limited Flooding	0.60
		Low strength	1.00				
		Shrink-swell	0.50				
		Frost action	0.50				
585: Spillville-----	40	Very limited Flooding	1.00	Somewhat limited Flooding	0.80	Very limited Flooding	1.00
		Low strength	1.00	Depth to saturated zone	0.61		
		Shrink-swell	0.50				
		Frost action	0.50				
Coland-----	30	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Frost action	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
621: Houghton-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Subsidence	1.00	Content of organic matter	1.00	Content of organic matter	1.00
		Frost action	1.00				
662D: Mt. Carroll-----	95	Very limited Frost action	1.00	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Low strength	1.00				
		Slope	0.63				
662D3: Mt. Carroll-----	95	Very limited Frost action	1.00	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Low strength	1.00				
		Slope	0.63				

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662F: Mt. Carroll-----	95	Very limited Frost action Slope Low strength	1.00 1.00 1.00	Very limited Slope	1.00	Very limited Slope	1.00
662F3: Mt. Carroll-----	95	Very limited Frost action Slope Low strength	1.00 1.00 1.00	Very limited Slope	1.00	Very limited Slope	1.00
713B: Winneshiek-----	95	Somewhat limited Frost action  Depth to hard bedrock	0.50  0.46	Very limited Depth to hard bedrock Too clayey	1.00 0.28	Somewhat limited Depth to bedrock	0.46
714B: Winneshiek-----	100	Somewhat limited Frost action  Depth to hard bedrock	0.50  0.46	Very limited Depth to hard bedrock Too clayey	1.00 0.28	Somewhat limited Depth to bedrock	0.46
733: Calco-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00  1.00 1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
771B: Waubeek-----	100	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone	0.16	Not limited	
777: Wapsie-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	

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777B: Wapsie-----	85	Not limited		Very limited cutbanks cave	0.90	Not limited	
781B: Lourdes-----	90	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	1.00 0.50				
781C2: Lourdes-----	90	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	1.00 0.50				
782B: Donnan-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	1.00 0.50	Too clayey	0.36		
782C2: Donnan-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	1.00 0.50	Too clayey	0.36		
783B: Cresco-----	90	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	0.78 0.50				
783C: Cresco-----	90	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	0.78 0.50				

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783C2: Cresco-----	90	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength	0.78				
		Shrink-swell	0.50				
784B: Riceville-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
798B: Protivin-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
976: Raddle-----	90	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	0.78				
976B: Raddle-----	90	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	0.78				
981B: Worthen-----	100	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	1.00				
1585: Spillville-----	40	Very limited Flooding	1.00	Somewhat limited Flooding	0.80	Very limited Flooding	1.00
		Low strength	1.00	Depth to saturated zone	0.61		
		Shrink-swell	0.50				
		Frost action	0.50				



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Coland-----	30	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
5010: Pits, Sand And Gravel-----	100	Not rated		Not rated		Not rated	
5030: Pits, Limestone Quarry-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	95	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	